

## ABSTRACT

A method for measuring movement of a solid, using an absolute measurement associated with a double integration measurement. The method can be applied in particular to sensing movements of the human body and includes a series of measurement of the acceleration of the solid and double integration of the measurements to obtain successive values of a first translation of the solid, and a series of absolute measurements of at least one second degree of freedom of the solid, namely a rotation, and this measurement of rotation is converted into a measurement of translation used to update the first translation.